

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	10	("20040113265" "4894709" "5099311" "5870823" "5901037" "6344686" "6388317" "6400012" "6704200" "6785134").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/07 12:37
L6	1	"6722140".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/07 12:38
L9	2797	361/704.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/07 13:08
L10	571	361/704.CCLS. AND CHANNEL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/07 13:08
L11	76	361/698.CCLS. AND CHANNEL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/07 13:10
L12	370	257/714.CCLS. AND CHANNEL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/07 13:10
S1	26	(US-20050141195-\$ or US-20040052049-\$ or US-20040120827-\$ or US-20040125561-\$ or US-20040040695-\$ or US-20050207124-\$).did. or (US-6501654-\$ or US-6972950-\$ or US-6934154-\$ or US-6988534-\$ or US-6942018-\$ or US-6654245-\$ or US-6976527-\$ or US-6916719-\$ or US-5388635-\$ or US-6124632-\$ or US-5606239-\$ or US-6530420-\$ or US-6477045-\$ or US-6442025-\$ or US-6279336-\$ or US-6765794-\$ or US-5719444-\$ or US-6438984-\$ or US-6989989-\$ or US-4180414-\$). did.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/28 10:46
S2	1	"6346668".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/27 13:26
S3	1	("3899359").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 13:27
S4	10	("6346668").URPN.	USPAT	OR	ON	2006/03/27 13:33

EAST Search History

S5	0	(ic or (integrate adj circuit)) and microchannel and (thin adj film adj thermoelectronic adj cooling) and (silicon or copper) and (heat adj spreader) and microprocessor and water	USPAT	OR	ON	2006/03/27 13:38
S6	0	(ic or (integrate adj circuit)) and microchannel and (thin adj film adj thermoelectronic adj cooling) and (silicon or copper) and (heat adj spreader) and substrate	USPAT	OR	ON	2006/03/27 13:38
S7	14	(ic or (integrate adj circuit)) and microchannel and (silicon or copper) and (heat adj spreader) and substrate	USPAT	OR	ON	2006/03/27 13:38

EAST Search History

S8	244	("0596062" "20010016985" "20010024820" "20010044155" "20010045270" "20010046703" "20010055714" "20020011330" "20020075645" "20020121105" "20020134543" "20030062149" "20030121274" "20030213580" "20040040695" "20040052049" "20040089008" "20040125561" "20040160741" "20040188069" "2039593" "2273505" "3361195" "3654988" "3771219" "3817321" "3823572" "3923426" "3929154" "3948316" "4109707" "4138996" "4194559" "4211208" "4248295" "4312012" "4450472" "4467861" "4485429" "4516632" "4540115" "4561040" "4567505" "4573067" "4574876" "4644385" "4664181" "4758926" "4866570" "4868712" "4893174" "4894709" "4896719" "4903761" "4908112" "4938280" "5009760" "5016090" "5016138" "5043797" "5057908" "5058627" "5070040" "5083194" "5088005" "5096388" "5099311" "5099910" "5125451" "5131233" "5161089" "5179500" "5203401" "5218515" "5219278" "5228502" "5232047" "5239200" "5239443" "5263251" "5265670" "5269372" "5274920" "5275237" "5308429" "5309319" "5310440" "5316077" "5317805" "5325265" "5336062" "5346000" "5380956" "5383340" "5386143" "5388635" "5421943" "5427174" "5436793" "5459099" "5490117" "5508234" "5514832" "5514906" "5544696" "5548605" "5575929" "5579828" "5585069" "5641400" "5658831" "5675473" "5692558" "5696405" "5703536" "5704416" "5727618" "5740013").PN. OR ("5759014" "5763951" "5768104" "5774779" "5800690" "5801442" "5835345" "5836750" "5858188" "5863708" "5869004" "5870823" "5874795" "5876655" "5880017" "5880524" "5901037" "5921087" "5936192" "5940270" "5942093" "5945717" "5964097" "5965001"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 13:40
9/7/2006 1:11:13 PM	C:\Documents and Settings\mholiver\My Documents\EAST\Workspaces\10811597_ICWITHMICROCHANNEL.wsp					Page 3

EAST Search History

S9	162	("20010016985" "20010024820" "20010044155" "20010046703" "20010055714" "20020011330" "3923426" "4009423" "4067237" "4120019" "4151548" "4312012" "4392362" "4450472" "4516632" "4561040" "4567505" "4573067" "4638854" "4675783" "4697427" "4758926" "4829432" "4858093" "4868712" "4894709" "4908112" "4938280" "4951740" "4975825" "5010292" "5016138" "5057908" "5070040" "5083194" "5096388" "5099311" "5099910" "5125451" "5131233" "5131859" "5144531" "5162974" "5199165" "5203401" "5216580" "5218515" "5219278" "5229915" "5230564" "5232047" "5239200" "5263251" "5274920" "5281026" "5309319" "5311397" "5313099" "5317805" "5325265" "5336062" "5339214" "5365749" "5383340" "5427174" "5436793" "5459099" "5461541" "5471850" "5490117" "5504650" "5504924" "5508234" "5508908" "5513070" "5514832" "5514906" "5544412" "5560423" "5565705" "5575929" "5579827" "5598320" "5608262" "5621635" "5641400" "5646828" "5692558" "5696405" "5703536" "5704416" "5727618" "5759014" "5763951" "5774779" "5801442" "5835345" "5836750" "5858188" "5863708" "5869894" "5870823" "5880524" "5901037" "5901040" "5940270" "5942093" "5965001" "5965813" "5978220" "5997713" "5998240" "6007309" "6010316" "6013164" "6019882" "6025208" "6034425" "6052287" "6054034" "6068752" "6090251" "6096656").PN. OR ("6100541" "6101715" "6121682" "6127726" "6129145" "6133631" "6137693" "6146103" "6154363" "6154370" "6171067" "6174675" "6176962" "6186660" "6191945" "6201302" "6204562" "6210988" "6215193" "6216343" "6221226" "6227800"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 13:50
9/7/2006 1:11:13 PM		C:\Documents and Settings\jinduyeh21\My Documents\EAST\Workspaces\10811597_ICWITHMICROCHANNEL.wsp				Page 4

EAST Search History

S10	10	("20040113265" "4894709" "5099311" "5870823" "5901037" "6344686" "6388317" "6400012" "6704200" "6785134").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 14:47
S11	1	("6605525").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 14:49
S12	1	("6605525").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 14:49
S13	10	("5325265" "5763951" "5870823" "5901037" "6301109" "6344686" "6631077" "6704200" "6741469" "6785134").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 14:50

EAST Search History

S14	163	("20010016985" "20010024820" "20010044155" "20010046703" "20010055714" "20020011330" "3923426" "4009423" "4067237" "4120019" "4151548" "4312012" "4392362" "4450472" "4516632" "4561040" "4567505" "4573067" "4638854" "4675783" "4697427" "4758926" "4829432" "4858093" "4868712" "4894709" "4908112" "4938280" "4951740" "4975825" "5010292" "5016138" "5057908" "5070040" "5083194" "5096388" "5099311" "5099910" "5125451" "5131233" "5131859" "5144531" "5162974" "5199165" "5203401" "5216580" "5218515" "5219278" "5229915" "5230564" "5232047" "5239200" "5263251" "5274920" "5281026" "5309319" "5311397" "5313099" "5317805" "5325265" "5336062" "5339214" "5365749" "5383340" "5427174" "5436793" "5459099" "5461541" "5471850" "5490117" "5504650" "5504924" "5508234" "5508908" "5513070" "5514832" "5514906" "5544412" "5560423" "5565705" "5575929" "5579827" "5598320" "5608262" "5621635" "5641400" "5646828" "5692558" "5696405" "5703536" "5704416" "5727618" "5759014" "5763951" "5774779" "5801442" "5835345" "5836750" "5858188" "5863708" "5869894" "5870823" "5880524" "5901037" "5901040" "5940270" "5942093" "5965001" "5965813" "5978220" "5997713" "5998240" "6007309" "6010316" "6013164" "6019882" "6025208" "6034425" "6052287" "6054034" "6068752" "6090251" "6096656").PN. OR ("6100541" "6101715" "6121682" "6127726" "6129145" "6133631" "6137693" "6146103" "6154363" "6154370" "6171067" "6174675" "6176962" "6186660" "6191945" "6201302" "6204562" "6210986" "6215193" "6216343" "6221226" "6227800"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 14:58
9/7/2006 1:11:13 PM		C:\Documents and Settings\mhollyen21\My Documents\EAST\Workspaces\10811597_ICWITHMICROCHANNEL.wsp				Page 6

EAST Search History

S15	56	("5239200").URPN.	USPAT	OR	ON	2006/03/27 18:59
S16	15612	tagged and processor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/27 19:00
S17	13	film adj thermoelectric adj cooling	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/27 20:49
S18	4	(thin adj film adj thermoelectric adj cooling)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/27 21:08
S19	1	"6400024"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/27 20:51
S20	4	("5131141" "5689428" "5942374" "6133835").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 20:52
S21	0	(thin adj film adj microelectric adj device)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/27 21:09
S22	35	(thin adj film adj thermoelectric adj device)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/27 21:10
S23	1	(thin adj film adj thermoelectric adj device) and microchannel	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/27 21:11
S24	1	(thin adj film adj thermoelectric adj device) and microchannels	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/27 21:11
S25	35	(thin adj film adj thermoelectric adj device)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/27 21:26
S26	1	"6939632"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/27 21:26
S27	37	("4386505" "4516632" "4614119" "4908112" "5021663" "5094906" "5209906" "5385709" "5428961" "5458191" "5534328" "5589136" "5595712" "5639423" "5646039" "5674742" "5789753" "5811062" "5843385" "5863502" "5882496" "5932315" "5941079" "5961930" "5961932" "5965092" "5965237" "6062210" "6170568" "6180536" "6192596" "6193501" "6194066" "6200536" "6210986" "6250379" "6477901").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 21:40

EAST Search History

S28	0	"634668".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/27 21:40
S29	1	"6804966".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/27 21:41
S30	1	"5337396".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/27 21:41
S31	16	"6300150"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/28 11:54
S32	3	(thin adj film adj thermoelectric) and microchannel	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/28 11:57
S33	1	"6939632"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/28 11:57
S34	37	("4386505" "4516632" "4614119" "4908112" "5021663" "5094906" "5209906" "5385709" "5428961" "5458191" "5534328" "5589136" "5595712" "5639423" "5646039" "5674742" "5789753" "5811062" "5843385" "5863502" "5882496" "5932315" "5941079" "5961930" "5961932" "5965092" "5965237" "6062210" "6170568" "6180536" "6192596" "6193501" "6194066" "6200536" "6210986" "6250379" "6477901").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 15:28
S35	209	thermoelectric and substrate and microchannel	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/28 15:29
S36	21	("5436793").URPN.	USPAT	OR	ON	2006/03/28 15:58

EAST Search History

S37	244	("0596062" "20010016985" "20010024820" "20010044155" "20010045270" "20010046703" "20010055714" "20020011330" "20020075645" "20020121105" "20020134543" "20030062149" "20030121274" "20030213580" "20040040695" "20040052049" "20040089008" "20040125561" "20040160741" "20040188069" "2039593" "2273505" "3361195" "3654988" "3771219" "3817321" "3823572" "3923426" "3929154" "3948316" "4109707" "4138996" "4194559" "4211208" "4248295" "4312012" "4450472" "4467861" "4485429" "4516632" "4540115" "4561040" "4567505" "4573067" "4574876" "4644385" "4664181" "4758926" "4866570" "4868712" "4893174" "4894709" "4896719" "4903761" "4908112" "4938280" "5009760" "5016090" "5016138" "5043797" "5057908" "5058627" "5070040" "5083194" "5088005" "5096388" "5099311" "5099910" "5125451" "5131233" "5161089" "5179500" "5203401" "5218515" "5219278" "5228502" "5232047" "5239200" "5239443" "5263251" "5265670" "5269372" "5274920" "5275237" "5308429" "5309319" "5310440" "5316077" "5317805" "5325265" "5336062" "5346000" "5380956" "5383340" "5386143" "5388635" "5421943" "5427174" "5436793" "5459099" "5490117" "5508234" "5514832" "5514906" "5544696" "5548605" "5575929" "5579828" "5585069" "5641400" "5658831" "5675473" "5692558" "5696405" "5703536" "5704416" "5727618" "5740013").PN. OR ("5759014" "5763951" "5768104" "5774779" "5800690" "5801442" "5835345" "5836750" "5858188" "5863708" "5869004" "5870823" "5874795" "5876655" "5880017" "5880524" "5901037" "5921087" "5936192" "5948270" "5942093" "5945717" "5944097" "5945001"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:00
9/7/2006 1:11:13 PM		C:\Documents and Settings\mholmes\My Documents\EAST\Workspaces\10811597_ICWITHMICROCHANNEL.wsp			Page 9	

EAST Search History

S38	18	("4253515" "4935864" "5032897" "5457342" "5515683" "5544489" "5712448" "5761909" "5802856" "5865031" "5918469" "5966940" "5970719" "6055815" "6094919" "6193349" "6234240" "6314741").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:05
S39	27	("5032897").URPN.	USPAT	OR	ON	2006/03/28 16:25
S40	11	("20020191430" "4860744" "5012325" "5032897" "5367890" "6043982" "6094919" "6196002" "6230497" "6282907" "6345507").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 17:00
S41	67	"5239200"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 17:00
S42	1	"5239200".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 17:02
S43	1	"6278049".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 17:14
S44	1	"5637921".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 17:38
S45	1	"6314741".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 18:20
S46	1	"5880524".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 18:48
S47	1	"6278049".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 19:00
S48	1	"5032897".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 19:00

EAST Search History

S49	18482228	US "6934154" B2 US "7000684" B2 US "6678168" B2 US "6919231" B1 US "6903929" B2 US "6606251" B1 US "20030062149" A1 US "6400012" B1 US "6351384" B1 US "6301109" B1 US "6322753" B1 US "6210986" B1 US "6101715" A US "5998240" A US "5901037" A US "5880524" A US "5870823" A US "5835345" A US "5801442" A US "5763951" A US "4938280" A US "4894709" A US "5239200" A US "6785134" B2 US "6804966" B1 US "6300150" B1 US "4054478" A US "6400024" B1 US "20020062855" A1 US "20050079664" A1 US "6991024" B2 US "6581388" B2 US "5966940" A US "5918469" A US "6711904" B1 US "6043982" A US "6424533" B1 US "6278049" B1 US "5637921" A US "6988534" B2 US "6916719" B1 US "20040052049" A1 US "20040040695" A1 US "6976527" B2 US "6972950" B1 US "6942018" B2 US "6477045" B1 US "6765794" B1 US "6654245" B2 US "6530420" B1 US "6501654" B2 US "5719444" A US "6442025" B2 US "6438984" B1 US "6279336" B1 US "6124632" A US "3899359" A US "5606239" A US "5388635" A US "4180414" A US "6346668" B1 US "6959555" B2 US "6948321" B2 US "6812395" B2 US "6494048" B1 US "6700052" B2 US "6658860" B2 US "6637210" B2 US "6625990" B2 US "6598405" B2 US "6847114" B2 US "20010045270" A1 US "20040188069" A1 US "20010024820" A1 US "20020134543" A1 US "6729383" B1 US "6587343" B2 US "6743664" B2 US "6533029" B1 US "6337794" B1 US "6317326" B1 US "6321791" B1 US "6216343" B1 US "6186660" B1 US "6096656" A US "5997713" A US "5575929" A US "5641400" A US "5228502" A US "4868712" A US "4516632" A US "4450472" A US "5016138" A US "6344682" B1 US "6133631" A US "5646828" A US "5504650" A US "6631077" B2 US "6806567" B2 US "6774482" B2 US "6704200" B2 US "5942374" A US "5689428" A US "6722140" B2 US "6200536" B1 US "6939632" B2 US "5436793" A US "6193349" B1 US "5865031" A US "5712448" A US "6743977" B2 US "5032897" A US	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/28 19:11
9/7/2006 1:11:13 PM	C:\Documents and Settings\jnh\My Documents\EAST\Workspaces\10811597_ICWITHMICROCHANNEL.wsp					Page 11

EAST Search History

S50	0	(("US6934154B2") or ("US7000684B2") or ("US6678168B2") or ("US6919231B1") or ("US6903929B2") or ("US6606251B1") or ("US20030062149A1") or ("US6400012B1") or ("US6351384B1") or ("US6301109B1") or ("US6322753B1") or ("US6210986B1") or ("US6101715A") or ("US5998240A") or ("US5901037A") or ("US5880524A") or ("US5870823A") or ("US5835345A") or ("US5801442A") or ("US5763951A") or ("US4938280A") or ("US4894709A") or ("US5239200A") or ("US6785134B2") or ("US6804966B1") or ("US6300150B1") or ("US4054478A") or ("US6400024B1") or ("US20020062855A1") or ("US20050079664A1") or ("US6991024B2") or ("US6581388B2") or ("US5966940A") or ("US5918469A") or ("US6711904B1") or ("US6043982A") or ("US6424533B1") or ("US6278049B1") or ("US5637921A") or ("US6988534B2") or ("US6916719B1") or ("US20040052049A1") or ("US20040040695A1") or ("US6976527B2") or ("US6972950B1") or ("US6942018B2") or ("US6477045B1") or ("US6765794B1") or ("US6654245B2") or ("US6530420B1") or ("US6501654B2") or ("US5719444A") or ("US6442025B2") or ("US6438984B1") or ("US6279336B1") or ("US6124632A") or ("US3899359A") or ("US5606239A") or ("US5388635A") or ("US4180414A") or ("US6346668B1") or ("US6959555B2") or ("US6948321B2") or ("US6812395B2") or ("US6494048B1") or ("US6700053B2") or	USPAT; USOCR	OR	OFF	2006/03/28 19:11
9/7/2006 1:11:13 PM						

EAST Search History

S51	114	(US-20040052049-\$ or US-20040040695-\$ or US-20010045270-\$ or US-20040188069-\$ or US-20010024820-\$ or US-20030062149-\$ or US-20020134543-\$ or US-20020062855-\$ or US-20050079664-\$).did. or (US-6988534-\$ or US-6916719-\$ or US-6976527-\$ or US-6972950-\$ or US-6942018-\$ or US-6934154-\$ or US-6477045-\$ or US-6765794-\$ or US-6654245-\$ or US-6530420-\$ or US-6501654-\$ or US-5719444-\$ or US-6442025-\$ or US-6438984-\$ or US-6279336-\$ or US-6124632-\$ or US-3899359-\$ or US-5606239-\$ or US-5388635-\$ or US-4180414-\$ or US-6346668-\$ or US-6959555-\$ or US-6948321-\$ or US-6812395-\$ or US-6494048-\$ or US-6700052-\$). did. or (US-6658860-\$ or US-6637210-\$ or US-6625990-\$ or US-6598405-\$ or US-7000684-\$ or US-6678168-\$ or US-6919231-\$ or US-6903929-\$ or US-6847114-\$ or US-6606251-\$ or US-6729383-\$ or US-6587343-\$ or US-6743664-\$ or US-6533029-\$ or US-6400012-\$ or US-6351384-\$ or US-6337794-\$ or US-6317326-\$ or US-6301109-\$ or US-6322753-\$ or US-6321791-\$ or US-6216343-\$ or US-6186660-\$ or US-6210986-\$ or US-6101715-\$ or US-5998240-\$ or US-6096656-\$). did. or (US-5997713-\$ or US-5901037-\$ or US-5880524-\$ or US-5870823-\$ or US-5835345-\$ or US-5801442-\$ or US-5763951-\$ or US-5575929-\$ or US-5641400-\$ or US-5228502-\$ or US-4938280-\$ or US-4894709-\$ or US-4868712-\$ or US-4516632-\$ or US-5239200-\$ or US-4450472-\$ or US-5016138-\$ or US-6344682-\$ or US-6133631-\$ or US-5646828-\$ or US-5504650-\$ or US-6631077-\$ or US-6785134-\$ or US-6806567-\$ or US-6774482-\$ or US-6704200-\$ or US-5942374-\$). did. or (US-5689428-\$ or US-6804966-\$ or US-6722140-\$ or US-6300150-\$ or US-4054478-\$ or US-6400024-\$ or US-6200536-\$ or US-6939632-\$ or US-6991024-\$ or US-5436793-\$ or US-6581388-\$ or US-6193349-\$ or US-5966940-\$ or US-5918469-\$ or US-5865031-\$ or US-5712448-\$ or US-6743977-\$ or US-6712448-\$ or
-----	-----	--

EAST Search History

S52	114	(US-20040052049-\$ or US-20040040695-\$ or US-20010045270-\$ or US-20040188069-\$ or US-20010024820-\$ or US-20030062149-\$ or US-20020134543-\$ or US-20020062855-\$ or US-20050079664-\$).did. or (US-6988534-\$ or US-6916719-\$ or US-6976527-\$ or US-6972950-\$ or US-6942018-\$ or US-6934154-\$ or US-6477045-\$ or US-6765794-\$ or US-6654245-\$ or US-6530420-\$ or US-6501654-\$ or US-5719444-\$ or US-6442025-\$ or US-6438984-\$ or US-6279336-\$ or US-6124632-\$ or US-3899359-\$ or US-5606239-\$ or US-5388635-\$ or US-4180414-\$ or US-6346668-\$ or US-6959555-\$ or US-6948321-\$ or US-6812395-\$ or US-6494048-\$ or US-6700052-\$). did. or (US-6658860-\$ or US-6637210-\$ or US-6625990-\$ or US-6598405-\$ or US-7000684-\$ or US-6678168-\$ or US-6919231-\$ or US-6903929-\$ or US-6847114-\$ or US-6606251-\$ or US-6729383-\$ or US-6587343-\$ or US-6743664-\$ or US-6533029-\$ or US-6400012-\$ or US-6351384-\$ or US-6337794-\$ or US-6317326-\$ or US-6301109-\$ or US-6322753-\$ or US-6321791-\$ or US-6216343-\$ or US-6186660-\$ or US-6210986-\$ or US-6101715-\$ or US-5998240-\$ or US-6096656-\$). did. or (US-5997713-\$ or US-5901037-\$ or US-5880524-\$ or US-5870823-\$ or US-5835345-\$ or US-5801442-\$ or US-5763951-\$ or US-5575929-\$ or US-5641400-\$ or US-5228502-\$ or US-4938280-\$ or US-4894709-\$ or US-4868712-\$ or US-4516632-\$ or US-5239200-\$ or US-4450472-\$ or US-5016138-\$ or US-6344682-\$ or US-6133631-\$ or US-5646828-\$ or US-5504650-\$ or US-6631077-\$ or US-6785134-\$ or US-6806567-\$ or US-6774482-\$ or US-6704200-\$ or US-5942374-\$). did. or (US-5689428-\$ or US-6804966-\$ or US-6722140-\$ or US-6300150-\$ or US-4054478-\$ or US-6400024-\$ or US-6200536-\$ or US-6939632-\$ or US-6991024-\$ or US-5436793-\$ or US-6581388-\$ or US-6193349-\$ or US-5966940-\$ or US-5918469-\$ or US-5865031-\$ or US-5712448-\$ or US-6743977-\$ or	US-PGPUB; USPAT	OR	ON	2006/03/28 19:15
9/7/2006 1:11:13 PM	C:\Documents and Settings\hhoover\My Documents\EAST\Workspaces\10811597_ICWITHMICROCHANNEL.wsp	Page 14				

EAST Search History

S53	39	S52 and thermoelectric	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/28 19:16
S54	11	S52 and thermoelectric and (IC or (intergrate adj circuit))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/29 10:38
S55	1	"6094919".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/28 19:40
S56	396	361/717.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/29 10:43
S57	2632	361/704.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/29 10:43
S58	10	361/704.CCLS. AND MICROCHANNEL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/29 10:43
S59	65	361/699.CCLS. AND MICROCHANNEL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/29 10:45
S60	36	361/700.CCLS. AND MICROCHANNEL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/29 10:46
S61	22	174/15.1.CCLS. AND MICROCHANNEL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/29 10:46
S62	9	174/15.2.CCLS. AND MICROCHANNEL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/29 10:47
S63	70	165/80.4.CCLS. AND MICROCHANNEL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/29 10:48
S64	18	165/104.21.CCLS. AND MICROCHANNEL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/29 10:48
S65	25	257/712.CCLS. AND MICROCHANNEL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/29 10:56
S66	3	((("4,894,709") or ("5,457,342") or ("6,424,533"))).PN. or (2002/0174660).CCLS.	USPAT; USOCR	OR	OFF	2006/03/29 10:59
S67	3	((("4,894,709") or ("5,457,342") or ("6,424,533") or ("20020174660"))).PN.	USPAT; USOCR	OR	OFF	2006/03/29 10:59
S68	0	((02/39241) or (4.9/!/ .9.85)).CCLS.	USPAT; USOCR	OR	OFF	2006/03/29 10:59

EAST Search History

S69	4	((("0239241") or ("0049985")).PN.	USPAT; USOCR	OR	OFF	2006/03/29 11:00
S70	1	"6722140".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/29 11:00
S71	6	hjn	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 13:29

EAST Search History

S72	114	(US-20050079664-\$ or US-20010024820-\$ or US-20010045270-\$ or US-20030062149-\$ or US-20020134543-\$ or US-20040188069-\$ or US-20040040695-\$ or US-20040052049-\$ or US-20020062855-\$).did. or (US-6533029-\$ or US-6400012-\$ or US-6351384-\$ or US-6337794-\$ or US-6216343-\$ or US-6581388-\$ or US-6587343-\$ or US-6729383-\$ or US-6743664-\$ or US-6991024-\$ or US-6606251-\$ or US-6678168-\$ or US-6847114-\$ or US-6903929-\$ or US-6919231-\$ or US-6346668-\$ or US-4180414-\$ or US-5388635-\$ or US-7000684-\$ or US-6494048-\$ or US-6598405-\$ or US-6625990-\$ or US-6637210-\$ or US-6658860-\$ or US-6700052-\$ or US-6812395-\$). did. or (US-6948321-\$ or US-6959555-\$ or US-3899359-\$ or US-6972950-\$ or US-6976527-\$ or US-6988534-\$ or US-5606239-\$ or US-5719444-\$ or US-6124632-\$ or US-6279336-\$ or US-6438984-\$ or US-6442025-\$ or US-6477045-\$ or US-6501654-\$ or US-6530420-\$ or US-6654245-\$ or US-6765794-\$ or US-6916719-\$ or US-6934154-\$ or US-6942018-\$ or US-6939632-\$ or US-5504650-\$ or US-4894709-\$ or US-5575929-\$ or US-6743972-\$ or US-6210986-\$ or US-5865031-\$). did. or (US-6631077-\$ or US-5835345-\$ or US-5763951-\$ or US-5997713-\$ or US-6200536-\$ or US-5942374-\$ or US-6806567-\$ or US-5569950-\$ or US-5436793-\$ or US-5870823-\$ or US-6186660-\$ or US-6785134-\$ or US-6193349-\$ or US-6301109-\$ or US-5228502-\$ or US-6317326-\$ or US-5880524-\$ or US-6321791-\$ or US-4868712-\$ or US-4054478-\$ or US-6043982-\$ or US-5016138-\$ or US-5646828-\$ or US-5032897-\$ or US-6101715-\$ or US-6344682-\$ or US-4516632-\$). did. or (US-6133631-\$ or US-4450472-\$ or US-5801442-\$ or US-5966940-\$ or US-6400024-\$ or US-6322753-\$ or US-5712448-\$ or US-6774482-\$ or US-6096656-\$ or US-5689428-\$ or US-6300150-\$ or US-5998240-\$ or US-6278049-\$ or US-6711904-\$ or US-5918469-\$ or US-5641400-\$ or US-5637971-\$ or	US-PGPUB; USPAT	OR	ON	2006/08/14 13:29
9/7/2006 1:11:13 PM C:\Documents and Settings\mholiver\My Documents\EAST (Workspaces\10811597_ICWITHMICROCHANNEL.wsp Page 17						

EAST Search History

S73	86	(MICRO ADJ CHANNEL\$1) AND (THERMOELECTRIC AND COOL\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/22 15:58
S74	327	((MICRO ADJ CHANNEL\$1) OR (MICROCHANNEL\$1)) AND (THERMOELECTRIC AND COOL\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/22 15:59
S75	135	((MICRO ADJ CHANNEL\$1) OR (MICROCHANNEL\$1)) AND (THERMOELECTRIC AND COOL\$3) AND ((IC) OR (INTEGRATED ADJ CIRCUIT))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/22 16:07
S76	71	((MICRO ADJ CHANNEL\$1) OR (MICROCHANNEL\$1)) AND (THERMOELECTRIC ADJ COOL\$3) AND ((IC) OR (INTEGRATED ADJ CIRCUIT))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/22 16:07
S77	0	("2006/0086118").URPN.	USPAT	OR	ON	2006/08/22 16:22
S78	0	("2006/0086118").URPN.	USPAT	OR	ON	2006/08/22 16:22
S79	1	("2004/0113265").URPN.	USPAT	OR	ON	2006/08/22 16:59
S80	10	("20040113265" "4894709" "5099311" "5870823" "5901037" "6344686" "6388317" "6400012" "6704200" "6785134").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 17:01
S81	4	("2003/0175947").URPN.	USPAT	OR	ON	2006/08/22 17:13
S82	35	("2919553" "2959925" "2996889" "3004393" "3054840" "3097027" "3127749" "3150656" "3197342" "3212275" "3269872" "3291647" "3400452" "3481794" "3794527" "3879229" "4011104" "4056406" "4095998" "4182129").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 17:26
S83	9	("2919553").URPN.	USPAT	OR	ON	2006/08/22 17:31
S84	1	"20030122245".PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/30 18:04
S85	1	"6767766".PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/30 18:04
S86	8	("5268814" "5285351" "5291064" "5345107" "5528456" "5705850" "5880524" "5923086").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/06 18:15
S87	20	("5528456").URPN.	USPAT	OR	ON	2006/09/06 18:18

EAST Search History

S88	12	("4567505" "4607277" "4639829" "4686606" "4761518" "4908695" "4920574" "4922376" "4962416" "5014777" "5109317" "5126829").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/06 18:23
S89	4	("4047198" "4561011" "4612601" "4748538").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/06 18:24
S90	4	("4047198" "4561011" "4612601" "4748538").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/06 18:25
S91	75	("5291064").URPN.	USPAT	OR	ON	2006/09/06 18:25